

Docket No.: 068911-0160

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT : JOHN G. BABISH

CUSTOMER NO.: 23,630

APPL. NO. : 10/590,424

CONFIRMATION NO.: 7031

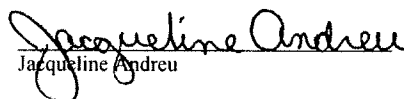
FILED : APRIL 2, 2007

TITLE : SYNERGISTIC ANTI-
INFLAMMATORY
PHARMACEUTICAL
COMPOSITIONS AND RELATED
METHODS USING
CURCUMINOIDS OR
METHYLYXANTHINES

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Mail Stop: Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted (571) 273-8300 or filed online via EFS-Web to the USPTO, on the date indicated below.

Date: October 7, 2011


Jacqueline Andreu

GRP./A.U. : 1627

EXAMINER: : KENDRA D. CARTER

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION TO WITHDRAW
THE HOLDING OF ABANDONMENT UNDER 37 CFR § 1.181 (a)

OR IN THE ALTERNATIVE

PETITION TO REVIVE UNDER 37 CFR 1.137(b)

Dear Sir:

Pursuant to 37 CFR § 1.181 (a), the Applicants petition the Office to withdraw the holding of abandonment in the above-identified application for the reasons stated below.

As indicated in the Notice of Abandonment mailed September 19, 2011 (Exhibit A), the above-identified application was held to be abandoned on the ground that the Applicants allegedly failed to timely file corrected drawings as required by the Notice of Allowability. The Applicants respectfully traverse.

The Applicants received two Notices of Allowability in this application, one mailed on June 02, 2011 (“the first Notice”) (Exhibit B) and another mailed on July 27, 2011 (“the second Notice”) (Exhibit C).

The first Notice had the box in paragraph 5 checked, stating that “CORRECTED DRAWINGS (as “replacement sheets”) must be submitted.” The box in paragraph 5(b) was also checked, which stated “including changes required by the attached Examiner’s Amendment/ Comment or in the Office Action of Paper No./Mail Date 20110307.” See the first Notice in Exhibit B, first page, (emphasis in original).

However, neither the Examiner’s Amendment nor the Office Action of Mail Date 20110307 required the Applicants to make any changes to the drawings or submit corrected drawings or made any reference to the drawings. In fact, no Office Action with a Mail Date of 20110307 was issued in this application. See Exhibit D for a copy of the image file wrapper as available on USPTO’s PAIR system. The Examiner’s Amendment merely stated that the Examiner had obtained authorization from the Applicant’s agent, Atabak Royae, on March 7, 2011, to amend Figure 3 and that the application had “been amended” for that figure. See pages 2-3 of the first Notice in Exhibit B. The Examiner did not require the Applicants to make any changes to Figure 3 or submit a corrected drawing for Figure 3. Only in the event that the changes were deemed unacceptable, had the Examiner urged the Applicants to file an amendment under 37 CFR 1.312. See page 2, first paragraph, of the First Notice in Exhibit B.

The second Notice issued subsequent to a proposed Examiner’s Amendment discussed with the Applicants’ attorney, Judith Toffenetti, via phone on July 18, 2011. See Exhibit C. The first page of the second Notice, however, had no check mark in the paragraph 5 box for “CORRECTED DRAWINGS (as “replacement sheets”) must be submitted,” which indicated to the Applicants that the Office had withdrawn its prior requirement for submission of corrected drawings. Therefore, the Applicants paid the issue fee on August 25, 2011 without submitting any corrected drawings.

For the above reasons, the Applicants respectfully submit that they were either not required to submit corrected drawings or if they were, their alleged failure to submit corrected drawings was through the fault of the Patent Office. The Applicants respectfully petition the Office pursuant to 37 CFR § 1.181 to withdraw the holding of abandonment in this application and allow the application to proceed to issuance.

In the event a reply to the first Notice is still needed for publication of the patent in this case, without admitting any facts and solely to expedite the issuance of the patent in this case, the Applicants submit herewith a replacement sheet for corrected Figure 3 (Exhibit E).

In the alternative, and to the extent the above petition to withdraw the holding of abandonment is not granted, the Applicants petition the Office to revive the above referenced application pursuant to 37 CFR § 1.137(b). In this regard, the Applicants respectfully submit that:

(1) it was not the Applicants' intention to abandon the above-identified application as evidenced by the Applicants having paid the issue fee within the time limit set forth by the Office, and that the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition pursuant to 37 CFR § 1.137(b) was unintentional; and

(2) a replacement sheet for corrected Figure 3 in connection to the first Notice is being filed herewith in Exhibit E.

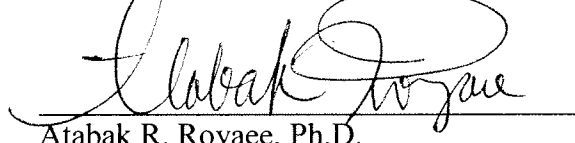
The Director of the Patent and Trademark Office is authorized to charge the petition fee as set forth in 37 CFR § 1.17(m) to Deposit Account No. 50-1133.

The Applicants respectfully submit that the issue fee in the application has previously been paid on August 25, 2011. As such, the Applicants respectfully petition the Office to revive this application and allow it proceed to issuance.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. The commissioner is hereby authorized to charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 50-1133 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

A handwritten signature in black ink, appearing to read 'Atabak Royae', is written over a horizontal line.

Atabak R. Royae, Ph.D.
Registration No. 59,037

28 State Street
Boston, MA 02109
Phone: 617.535.4108 ARR:ja
Facsimile: 617.535.3800
Date: October 7, 2011

**Please recognize our Customer No. 23,630
as our correspondence address.**

Exhibit A



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,424	04/02/2007	John G. Babish	068911-0160	7031

7590 09/19/2011
McDermott Will & Emery
600 13th Street, NW
Washington, DC 20005-3096

EXAMINER

CARTER, KENDRA D

ART UNIT PAPER NUMBER

1627

NOTIFICATION DATE DELIVERY MODE

09/19/2011

ELECTRONIC

Notice of Abandonment

This application is abandoned in view of:

1. ☐ The applicant's failure to timely file a proper reply to the Office letter mailed on _____.
 - (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the period for reply (including a total extension of ____ month(s)) which expired on _____.
 - (b) ☐ No reply has been received.
2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - (a) ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
 - (b) ☐ The submitted fee of \$_____ is insufficient. A balance of \$_____ is due.
The issue fee required by 37 CFR 1.18 is \$_____.
The publication fee, if required by 37 CFR 1.18(d), is \$_____.
 - (c) ☐ The issue fee and publication fee, if applicable, has not been received.
3. ☒ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - (a) ☐ Proposed corrected drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - (b) ☒ No corrected drawing have been received.
4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
6. ☐ Drawings received on _____ were disapproved by examiner. See examiner's response dated _____.
7. ☐ Corrected drawings were received on _____, which is after the expiration of the one-month period for reply set in examiner's response dated _____.
8. ☐ No corrected drawings have been received in reply to one-month period set in examiner's response dated _____.
9. ☐ The reason(s) below:

Petitions to revive under 37 CFR 1.137(a) or (b), or request to withdraw the holding of abandonment under 37 CFR 1.131, should be promptly filed to minimize any negative effects on patent term.

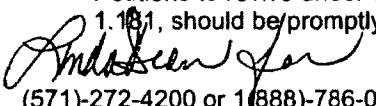

(571)-272-4200 or 1(888)-786-0101
Patent Publication Branch
Office of Data Management

Exhibit B



UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,424	04/02/2007	John G. Babish	068911-0160	7031
23630	7590	06/02/2011	EXAMINER	
McDermott Will & Emery 600 13th Street, NW Washington, DC 20005-3096			CARTER, KENDRA D	
			ART UNIT	PAPER NUMBER
			1627	

DATE MAILED: 06/02/2011

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 458 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 458 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/590,424	BABISH ET AL.	
	Examiner	Art Unit	
	KENDRA D. CARTER	1627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 28 December 2010.
2. ☒ The allowed claim(s) is/are 16, 22-24 and 26-32 (renumbered 1-11).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 20110307.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>11/11/10;6/17/09</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|--|---|

DETAILED ACTION

EXAMINER'S AMENDMENT

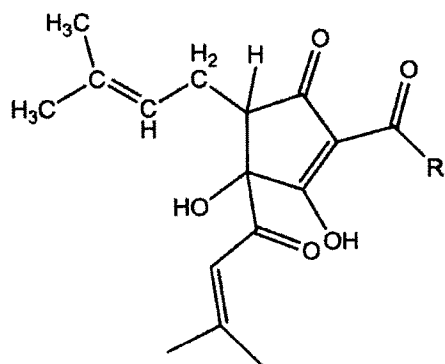
An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Atabak Royaei on March 7, 2011.

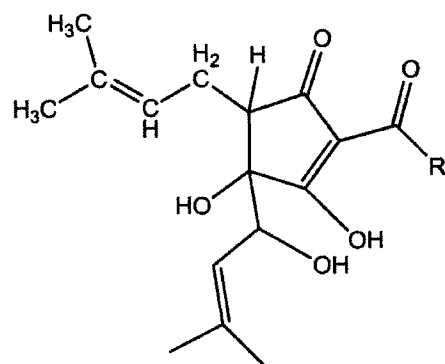
The application has been amended as follows:

Amend the drawing Figure 3 by **deleting** structures [B], [C], [D] and [E] and **inserting**

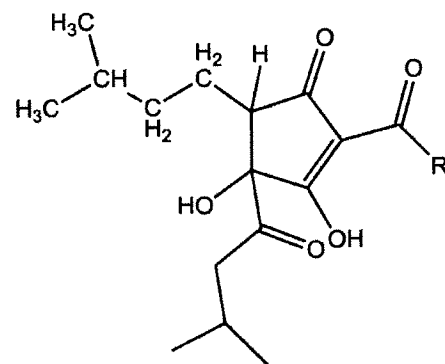
[B]



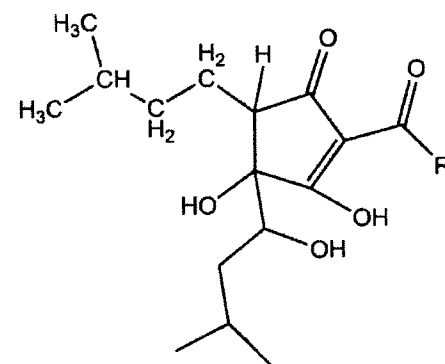
[C]



[D]



[E]



EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

Applicant's amendments to the claims and declaration filed December 28, 2010 has been fully considered. In light of the Applicant's amendments, unexpected results and Examiner's amendments, claims 16, 22-24 and 26-32 are allowed and renumbered to claims 1-11.

In light of declaration filed by Dennis Emma declaring that US Patent Publication No. 2003/0096027 is not "by another", the 35 U.S.C. 102 (e) and 103(a) rejection over Babish et al. is withdrawn.

In light of the amendments to the claims the 35 U.S.C. 102(b) rejection over Newmark et al. (US 6,391,346) is withdrawn.

In light of the amendments to the claims and unexpected results, the 35 U.S.C. 103(a) rejections over Newmark et al. in view of Klusters (US 4,758,445) and Heng (WO 00/70949 A1) in view of Beiersdorf (WO 03/003997 A3) are withdrawn.

A 35 U.S.C. 102(e) rejection was not made over Babish et al. (WO 03/035007) because on March 7, 2011 Attorney Atabak Royaei informed the Examiner that the reference is not by another and thus does not qualify as prior art.

An obviousness double patenting rejection over US Application No 11/701,583 was not made because the application was filed February 2, 2007, which is after the present application. Thus, since there are no other prior art rejections and the present application was filed before 11/701,583 the rejection was not made.

The following is an examiner's statement of reasons for allowance: The claims 16, 22-24 and 26-32 are drawn to a composition comprising a reduced-isomerized isoalpha acid and a curcuminoid to reduce inflammation. There is no prior art disclosing the applicant's composition comprising the specific reduced-isomerized isoalpha acids claimed in claim 1 and a curcuminoid in synergistic amounts. The closest prior art is as follows: Newmark et al. teach compositions comprising an extract of hops and curcuminoid; Klusters et al. teach that hop extracts contain isomerized isoalpha acids; Heng teach that curcumin can treat inflammatory diseases; and Beiersdorf teach that hop extracts are used to treat inflammatory conditions. Since hop extracts do not comprise the reduced form of the isomerized isoalpha acids, nor is there motivation to include the reduced form, the claims are allowed. In addition, the Applicant's have provided unexpected results of synergy to reduce inflammation with the composition.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kendra D. Carter whose telephone number is (571) 272-9034. The examiner can normally be reached on 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan can be reached on (571) 272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kendra D Carter
Examiner, Art Unit 1627

/SREENI PADMANABHAN/
Supervisory Patent Examiner, Art Unit 1627

Exhibit C



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,424	04/02/2007	John G. Babish	068911-0160	7031
23630	7590	07/27/2011		
McDermott Will & Emery 600 13th Street, NW Washington, DC 20005-3096			EXAMINER CARTER, KENDRA D	
			ART UNIT	PAPER NUMBER
			1627	
			NOTIFICATION DATE	DELIVERY MODE
			07/27/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mweipdocket@mwe.com

Notice of Allowability

Application No.

10/590,424

Examiner

KENDRA D. CARTER

Applicant(s)

BABISH ET AL.

Art Unit

1627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 28 December 2010.
2. ☒ The allowed claim(s) is/are 16, 22-24 and 26-32 (renumbered 1-11).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

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4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
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6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

SUPPLEMENTAL EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Judith Toffenetti on July 18, 2011.

The application has been amended as follows:

1. In claim 32, line 2, after "of claims" **delete** "16 or 22-31" and **insert** "16, 22-24 or 26-31".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kendra D. Carter whose telephone number is (571) 272-9034. The examiner can normally be reached on 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan can be reached on (571) 272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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KENDRA D CARTER
Examiner, Art Unit 1627

/SREENI PADMANABHAN/
Supervisory Patent Examiner, Art Unit 1627

Exhibit D



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10/590,424

**SYNERGISTIC ANTI-INFLAMMATORY PHARMACEUTICAL
COMPOSITIONS AND RELATED METHODS USING
CURCUMINOIDS OR METHYLXANTHINES**

068911-0160



Select New Case	Application Data	Transaction History	Image File Wrapper	Patent Term Adjustments	Continuity Data	Published Documents	Address & Attorney/Agent	Display References
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This application is officially maintained in electronic form. To View: Click the desired Document Description. To Download and Print: Check the desired document(s) and click Start Download.

Available Documents

Mail Room Date	Document Code	Document Description	Document Category	Page Count	PDF
09-19-2011	ABN	Abandonment	PROSECUTION	1	
08-25-2011	IFEE	Issue Fee Payment (PTO-85B)	PROSECUTION	1	
08-25-2011	WFEE	Fee Worksheet (SB06)	PROSECUTION	2	
08-25-2011	N417	EFS Acknowledgment Receipt	PROSECUTION	2	
07-27-2011	NOA	Notice of Allowance and Fees Due (PTOL-85)	PROSECUTION	4	
07-13-2011	N570	Communication - Re: Power of Attorney (PTOL-308)	PROSECUTION	1	
06-09-2011	PA..	Power of Attorney	PROSECUTION	1	
06-09-2011	LET.	Miscellaneous Incoming Letter	PROSECUTION	1	
06-09-2011	N417	EFS Acknowledgment Receipt	PROSECUTION	2	
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11-11-2010	TRAN.LET	Transmittal Letter	PROSECUTION	1	┐
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06-29-2010	1449	List of References cited by applicant and considered by examiner	PRIOR ART	1	☐
06-29-2010	FWCLM	Index of Claims	PROSECUTION	1	☐
06-29-2010	1449	List of References cited by applicant and considered by examiner	PRIOR ART	7	☐
06-29-2010	1449	List of References cited by applicant and considered by examiner	PRIOR ART	1	☐
06-29-2010	SRFW	Search information including classification, databases and other search related notes	PROSECUTION	1	☐
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03-23-2010	FOR	Foreign Reference	PRIOR ART	169	☐
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03-23-2010	XT/	Extension of Time	PROSECUTION	1	☐
03-23-2010	WFEE	<u>Fee Worksheet (SB06)</u>	PROSECUTION	1	☐
03-23-2010	WFEE	<u>Fee Worksheet (SB06)</u>	PROSECUTION	1	☐
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06-17-2009	TRAN.LET	Transmittal Letter	PROSECUTION	1	☐
03-10-2009	IDS	Information Disclosure Statement (IDS) Form (SB08)	PROSECUTION	2	☐
03-10-2009	TRAN.LET	Transmittal Letter	PROSECUTION	2	☐
03-10-2009	N417	EFS Acknowledgment Receipt	PROSECUTION	2	☐
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07-03-2008	TRAN.LET	Transmittal Letter	PROSECUTION	1	☐
07-03-2008	NPL	Non Patent Literature	PRIOR ART	8	☐
07-03-2008	N417	EFS Acknowledgment Receipt	PROSECUTION	2	☐
08-09-2007	NTC.PUB	Notice of Publication	PROSECUTION	1	☐
06-29-2007	WFEE	Fee Worksheet (SB06)	PROSECUTION	1	☐
06-25-2007	A.PE	Preliminary Amendment	PROSECUTION	3	☐
06-25-2007	CLM	Claims	PROSECUTION	8	☐
06-25-2007	REM	Applicant Arguments/Remarks Made in an Amendment	PROSECUTION	1	☐
06-25-2007	WFEE	Fee Worksheet (SB06)	PROSECUTION	1	☐
05-01-2007	APP.FILE.REC	Filing Receipt	PROSECUTION	3	☐
05-01-2007	M903	Notice of DO/EO Acceptance Mailed	PROSECUTION	2	☐
04-02-2007	OATH	Oath or Declaration filed	PROSECUTION	3	☐
04-02-2007	PEFR	Applicant Response to Pre-Exam Formalities Notice	PROSECUTION	5	☐
03-14-2007	M905	Notice of DO/EO Missing Requirements Mailed	PROSECUTION	2	☐
08-23-2006	TRNA	Transmittal of New Application	PROSECUTION	3	☐
08-23-2006	DRW	Drawings-only, black and white line drawings	PROSECUTION	16	☐
08-23-2006	ABST	Abstract	PROSECUTION	1	☐
08-23-2006	WFEE	Fee Worksheet (SB06)	PROSECUTION	1	☐
08-23-2006	371P	Documents submitted with 371 Applications	PROSECUTION	2	☐
08-23-2006	371P	Documents submitted with 371 Applications	PROSECUTION	3	☐
08-23-2006	SPEC	Specification	PROSECUTION	46	☐

08-23-2006	CLM	Claims	PROSECUTION	6	▢
08-23-2006	ABST	Abstract	PROSECUTION	1	▢
08-23-2006	SPEC	Specification	PROSECUTION	46	▢
08-23-2006	CLM	Claims	PROSECUTION	6	▢
08-23-2006	DRW	Drawings-only black and white line drawings	PROSECUTION	16	▢
08-23-2006	ABST	Abstract	PROSECUTION	1	▢
08-23-2006	FRPR	Certified Copy of Foreign Priority Application	PROSECUTION	78	▢
08-23-2006	IMIS	Miscellaneous Internal Document	PROSECUTION	1	▢
08-23-2006	WFEE	Fee Worksheet (SB06)	PROSECUTION	1	▢
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Exhibit E